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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/930,720	08/15/2001	Senaka Balasuriya	CAS0048	1666
20280	7590	01/07/2005	EXAMINER	
MOTOROLA INC 600 NORTH US HIGHWAY 45 ROOM AS437 LIBERTYVILLE, IL 60048-5343			PATEL, ASHOKKUMAR B	
			ART UNIT	PAPER NUMBER
			2154	

DATE MAILED: 01/07/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/930,720

Applicant(s)

BALASURIYA, SENAKA

Examiner

Ashok B. Patel

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 15 August 2001.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-31 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-31 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date 11/6/2002.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

DETAILED ACTION

1. Application Number 09/930, 720 was filed on 08/15/2001. Claims 1-31 are subject to examination.

Specification

2. The disclosure is objected to because of the following informalities:
 - a. On pages 15 and 17, the reference characters are related to Fig.6 and not Fig.5, therefore, "Fig.5" needs to replace with "Fig.6" on these pages.
 - b. In claim 11, line 1, it appears that the phrase "between the is a route" is not intended to be as it is. Appropriate correction is required.

Claim Rejections - 35 USC § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless-

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

4. Claims 1-31 are rejected under 35 U.S.C. 102(e) as being anticipated by Hayashi et al. (hereinafter Hayashi) (US 6,477, 526)

Referring to claim 1,

The reference teaches a method of storing and identifying a route, comprising the steps of:

describing a first location;

describing a second location; (Abstract: "The route calculation server receives starting point data and destination data corresponding to a starting point and a destination which a user designates by the user terminal, and calculates a route from the starting point to the destination.")

defining a route-identifier, wherein the route-identifier identifies a route between the first location and the second location; and storing the route-identifier. (Abstract: "The route calculation server stores calculated route data together with route identification information associated with the route data, and transmits the route identification information to the user terminal via the network.")

Referring to claim 2,

The reference teaches the method of claim 1, further comprising: retrieving the route-identifier to identify the route. (Abstract: "The route calculation server stores calculated route data together with route identification information associated with the route data, and transmits the route identification information to the user terminal via the network.")

Referring to claim 3,

The reference teaches the method of claim 1 further comprising: requesting information about the route. (Abstract: "The map server receives the route identification information from the user terminal via the network, obtains the route data associated with the route identification information from the route calculation server, produces route display picture data including map picture on which the calculated route is represented, and transmits the route display picture data to the user terminal.")

Referring to claim 4,

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The reference teaches the method of claim 3 wherein the information is selected from the group consisting of: traffic information, weather information, travel information and information about other objects on the route. (Abstract: "The map server receives the route identification information from the user terminal via the network, obtains the route data associated with the route identification information from the route calculation server, produces route display picture data including map picture on which the calculated route is represented, and transmits the route display picture data to the user terminal.", Fig. 3, element 36)

Referring to claim 5,

The reference teaches the method of claim 1 further comprising: receiving information about the route. (Abstract: "The map server receives the route identification information from the user terminal via the network, obtains the route data associated with the route identification information from the route calculation server, produces route display picture data including map picture on which the calculated route is represented, and transmits the route display picture data to the user terminal.", Fig. 3, element 36.)

Referring to claim 6,

The reference teaches the method of claim 5 wherein the information is selected from the group consisting of: traffic information, weather information, travel information and information about other objects on the route. (Abstract: "The map server receives the route identification information from the user terminal via the network, obtains the route data associated with the route identification information from the route calculation server, produces route display picture data including map picture on which the

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calculated route is represented, and transmits the route display picture data to the user terminal.", Fig. 3, element 36)

Referring to claims 7 and 8,

The reference teaches the method of claim 1 wherein the first location is described using measurements selected from the group consisting of: a latitude and longitude measurement, a cell phone identification, a bookmarked location, an address, a pair of cross-streets, a combined city/state/country identification, a street address; a highway exit number, a highway exit number combined with a city/state identification, a highway road marker number, a highway road marker number combined with a city/state identification, a landmark, a landmark combined with a city/state identification, and an existing route, and the method of claim 1 wherein the second location is described using measurements selected from the group consisting of: a latitude and longitude measurement, a cell phone identification, a bookmarked location, an address, a pair of cross-streets, a combined city/state/country identification, a street address; a highway exit number, a highway exit number combined with a city/state identification, a highway road marker number, a highway road marker number combined with a city/state identification, a landmark, a landmark combined with a city/state identification, and an existing route. (col.7, lines 50 through col. 8, lines 34).

Referring to claim 9,

The reference teaches the method of claim 1 wherein the route is selected from the group consisting of: a fastest route, a shortest route, a simplest route, and a scenic route. (col.8, lines 34-67).

Referring to claim 10,

The reference teaches a method for obtaining information on a route, comprising the steps of:

selecting a starting location;

selecting a destination location (Abstract:" The route calculation server receives starting point data and destination data corresponding to a starting point and a destination which a user designates by the user terminal, and calculates a route from the starting point to the destination."); and

defining a route-identifier, wherein the route-identifier identifies a relationship between the starting location and the destination location.(Abstract:" The route calculation server stores calculated route data together with route identification information associated with the route data, and transmits the route identification information to the user terminal via the network.")

Referring to claim 11,

The reference teaches the method of claim 10 wherein the relationship between the starting location and the destination location, further comprising: retrieving the route-identifier to identify the route; and receiving information on the route identified by the route-identifier. . (Abstract:" The route calculation server stores calculated route data together with route identification information associated with the route data, and transmits the route identification information to the user terminal via the network.")

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Referring to claims 12 and 13,

The reference teaches the method of claim 10 further comprising: selecting at least one intermediate location; and Identifying the intermediate location with an intermediate-identifier, and the method of claim 12 further comprising: retrieving the route-identifier to identify the route; providing the intermediate-identifier; and requesting information on the route based on the relationship of the intermediate identifier to the route-identifier. (Fig.3, Fig.4, element 36, col.6, lines20-39, col.11, lines 31-48).

Referring to claim 14,

The reference teaches the method of claim 13 wherein the information is selected from the group consisting of: traffic information, weather information, travel information and information about other objects (Abstract:” The map server receives the route identification information from the user terminal via the network, obtains the route data associated with the route identification information from the route calculation server, produces route display picture data including map picture on which the calculated route is represented, and transmits the route display picture data to the user terminal.”, Fig. 3, element 36).

Referring to claim 15,

The reference teaches the method of claim 12 further comprising: retrieving the route-identifier to identify the route; providing the intermediate-identifier; and requesting information on the intermediate location based on the relationship of the intermediate identifier to the route-identifier (Fig.3, Fig.4, element 36, col.6, lines20-39, col.11, lines

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31-48.)

Referring to claim 16,

The reference teaches the method of claim 15 wherein the information is selected from the group consisting of: traffic information, weather information, travel information and information about other objects (Abstract:” The map server receives the route identification information from the user terminal via the network, obtains the route data associated with the route identification information from the route calculation server, produces route display picture data including map picture on which the calculated route is represented, and transmits the route display picture data to the user terminal.”, Fig. 3, element 36)

Referring to claim 17,

Claim 17 is a claim to a computer readable medium storing a program for identifying a route in accordance with the method of claim 10. Therefore claim 17 is rejected for the reasons set forth for claim 10.

Referring to claims 18 and 19,

Claims 18 and 19 are claims to a computer readable medium storing a program for identifying a route in accordance with the method of claim 11. Therefore claims 18 and 19 are rejected for the reasons set forth for claim 11.

Referring to claims 20 and 21,

Claims 20 and 21 are claims to a computer readable medium storing a program for identifying a route in accordance with the method of claims 12 and 13. Therefore claims 20 and 21 are rejected for the reasons set forth for claims 12 and 13.

Referring to claim 22,

Claim 22 is a claim to a computer readable medium storing a program for identifying a route in accordance with the method of claim 15. Therefore claim 22 is rejected for the reasons set forth for claim 15.

Referring to claim 23,

The reference teaches a method of identifying a route at a communication node, comprising the steps of: receiving at the communication node a starting-identifier, wherein the starting-identifier identifies a starting location; receiving at the communication node a destination-identifier, wherein the destination-identifier identifies a destination location; defining a route-identifier, wherein the route-identifier comprises the starting-identifier and the destination-identifier; and storing the route-identifier at the communication node for later retrieval. (Abstract: The route calculation server receives starting point data and destination data corresponding to a starting point and a destination which a user designates by the user terminal, and calculates a route from the starting point to the destination. The map server includes a map database, and communicates with the user terminal via the network. The route calculation server stores calculated route data together with route identification information associated with the route data, and transmits the route identification information to the user terminal via the network. The map server receives the route identification information from the user terminal via the network, obtains the route data associated with the route identification information from the route calculation server, produces route display

picture data including map picture on which the calculated route is represented, and transmits the route display picture data to the user terminal.)

Referring to claims 24, 25, 26, 27 and 28,

The reference teaches the method of claim 23 further comprising: retrieving the route-identifier at a browser to identify the route, and the method of claim 23 further comprising: requesting information about the route wherein the information requested includes the route-identifier, and the method of claim 23 further comprising: transmitting information about the route from the communication node based on the route-identifier, and the method of claim 23 wherein the route-identifier comprises a relationship between the starting-identifier and the destination-identifier, and method of claim 27 wherein the relationship between the starting-identifier and the destination-identifier is a route between the starting location and the destination location, further comprising: retrieving the route-identifier from the communication node to identify the route; and transmitting information about the route from the communication node based on the route-identifier. (Abstract, col.11, lines 31-48).

Referring to claims 29, 30 and 31,

The reference teaches the method of claim 23 further comprising: receiving at the communication node at least one intermediate-identifier, wherein the intermediate-identifier defines an intermediate location, and method of claim 29 further comprising: retrieving the route-identifier from the communication node to identify the route; and transmitting information on the route based on the relationship of the intermediate identifier to the route-identifier, and the method of claim 29 further comprising: retrieving

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the route-identifier from the communication node to identify the route; and transmitting information on the route based on the relationship of the intermediate identifier to the destination-identifier (Fig.3, Fig.4, element 36, col.6, lines20-39, col.11, lines 31-48.)

Conclusion

Examiner's note: Examiner has cited particular columns and line numbers in the references as applied to the claims above for the convenience of the applicant. Although the specified citations are representative of the teachings of the art and are applied to the specific limitations within the individual claim, other passages and figures may apply as well. It is respectfully requested from the applicant in preparing responses, to fully consider the references in entirety as potentially teaching all or part of the claimed invention, as well as the context of the passage as taught by the prior art or disclosed by the Examiner.


Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ashok B. Patel whose telephone number is (571) 272-3972. The examiner can normally be reached on 8:00am-5:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John A Follansbee can be reached on (571) 272-3964. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Abp


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